



# Numerics with PDEs: Mathematics meets Computational Astrophysics

## Thursday 28 March 2024

### Talks - HS4 (09:30-11:00)

time	[id] title	presenter
09:30	[14] Spectrally-tuned compact finite-difference schemes with domain decomposition and applications to numerical relativity	DASZUTA, Boris
10:00	[13] On split form nodal discontinuous Galerkin methods to solve systems of conservations laws	SCHNÜCKE, Gero
10:30	[3] GRMHD simulations with GR-Athena++	COOK, William

### Talks - HS4 (11:30-12:30)

time	[id] title	presenter
11:30	[16] High order methods in Numerical Relativity - Challenges and successes	ATTENEDER, Florian
12:00	[15] Positivity preservation on the context of finite elements	PERVOLIANAKIS, Christos